# Aviation Tevs MOGRAW-HILL PUBLISHING COMPANY, INC. JANUARY 8, 1946



New German Jet Job: Now reported in service with the Luftwaffe is the Heinkel He 280, shown in this drawing from Flight. It is powered by two BMW 003 gas-turbine units and is said to be more or less experimental, although on operational service.

Allocations Abroad Stress U. S. Aims in World Air Assignment of surplus aircraft to three European neutrals recalls landing rights grants and signing of Five Freedoms agreement............. Page 7

CAB Asks Power to Restrict Schedules, Equipment

Lines Asked Why Mail Pay Should Not Be Cut

 Tenn. Pioneering Made Possible by 7c Plane Gas Tax

Plane Production to Top All-Time Record Set in 1944

Last year's dollar volume of approximately \$19,-400,000,000 maintains aircraft manufacturing in U.S. in position as largest industry in world....Page 21



Who do you ween, Steed<sup>a</sup>
"Why, Westinghouse, of course. Any a-e
unider to built around a transferner, and

Westinghouse has been baileding all types of transformers integer those socybody else—so Pd suggest we get 'em from the antit that's recognized as transformer headquarters.)

Ac welders are essentially transformers. That's why Westinghause AC Welders after the benefit of more years of experience in the designing and building of this type of equipment than any other welder... because Westinghouse built the first reconstal concessival transformers.

consecutar transcenses.

Ac electrodes, too, have been developed, tested and proved by Westinghouse to meet welding requirements that range from the highest welding to the howfore. In fart, Westinghouse A-C Welders and Electrodes provide the right combination for faster, more economical industrial widthm—rather.

tenance, fabrication or construction.
Westinghouse A-C Welders are available in a complete range of ratings from 100 to 2000 acaptees. Add for catalog B-3116 giving full details. Westinghouse Electric & Missonicating Co., Box 168, Philohoph 30, Pe.



# A-C WELDERS and ELECTRODES

THE AVIATION NEWS

# Washington Observer

LID IS ON—Pressure currently being exertof to abtum greater concentration of ethort or war production will gut the late on arrested talk of commercial designs and pool-wor planning. Smithtein reports on volume of war production will predominate.

FIRST HAND VIEW—Latent of production efficials to be given from or the lighting from 1 to the lighting from 1 to the WFR operations in Eleviel Benchemitelis, WFR operations a teachers are the lighting from the WFR operation of wear materials and in general code destruction of wer materials and in general carly in the fall. Through these varies to the frend, the WFR Department happet to convince production leaders of the realism of their requirements and substitutes.

MATERIALS. AND PRODUCTS. WITH-DRAWAL-MWSP. Perceiv Recision. No. Is, which thenoises to withdraw all priorities and saterial and the property of the control of war, heavy, with need of the opposerot-cidering war, heavy, with need of the opposerot-cidering in our successful. Whether the sections control of the control of the control of the reguled is despited. Like many after green recommence, it is included to work up ruchingtering merce, it is included to work up ruchingtering merce, it is included to work up ruching-

ADD LABOUR MEMISSES—The WFD has as yet must no offend annearcement of the return, but the Production Rescutive Committee at his less tenesting weet disconnecting to and a labor representative who disconnective to the Corporary Consenter Proposal in believed to have computed in the offer of Joseph Komman, surprising feetings of the income was lack or opposition. Which the next few weeks the represent directors of WMC will be automated to

NAVAL PILOT STEP-UP-Reserved gifted training activity of the Navy is a hong-range proposition, borrel on personnel lagistics over a period of two years when. Code's resussing their transition and more taken from the ratios. meet needs, as they appear sow, of two yearsfrom now. Had the pilot training program been continued at its initial rate in the face of "low" attrition rates, the Navy now would have had a treesendous surplus of pilots it confidn't use



Arrantes Releading a Manquito Spether TROSTER TRANSPORT POUTURE—Lac

allocations of surplus transport planes are expected to be the last until the ourrest war staation cases. A few may dribble through, but by and latte no quantity releases can be expected unless the parture changes rapidly.

NAYY FIGHTER SPEEDUP—Resure of the

FUL "Carniol" to carrier day with the first compliances the recent statements that before Jopanese shrend are before good to the property of the Carniol" with match as had belowed father may in general service. Some Admiral D. C. to carniol the carniol that the



will not be ready for combat service for a year and a half or more. Stopped up training is not AVIATION NEWS \* Japaney 6, 1945





In hangers, shops, flight offices, warehouses factories and hard-to-heat corners of any type of building, Gusberson clean flume hearers for workers as comfort. Given outck bear, in imple to operate and been cleanly

GUIBERSON MODEL R-10

BURNS No.1 DISTILLATE OF KEROSENI Dissipated around one of America's most offitient beating units, the Guiberson Model R-161 is low us cost and exceptionally economic

CHRESCON DIESEL SHOWS COMMANY

DALLAS TERAS



Advertisers Index

AVIATION NEWS . James E. 1945

acteristics of Japanese alternit recently encountreed in the Philippine Campaign.

EXECUTIVE TRANSPORTS-The market become above fields in the ofter-the-war market.

indicate they will do the bulk of their awa frrrying of personnel. General Motors, with three new Beechcrofts now, is seeking more. Another field in the Larkheed "Sature" deters. Many here exempeles are hedevilles their Washing arrests feel it will conflow and extend. Con-

from month to menth probably will negerate the Post Office Department to ask Congress for



Description renewed empha-

the war. The decision as to the relative positions will occupy in each entitiony is the soluted of

>Typical of the deprecution rate being placed

AVIATION NEWS . Jungaey 5, 1945

# Washington Observer

used an increase in the simual rate, the upon reduce the volume to a point where decreased plemental appropriation ball for \$11,499 to cover

INSUFFICIENT PRODUCTION?-There so years to have been some miscanception of this problem and, to printed out by Senator Mend (D-N.Y.), chaleman of the special Senate comedition investmenting the war program in a latte subficied sistement, insufficient production in the United States has not up to this time been the cause of shortest of weapons and assessedtion at the front and my shortage has been due, up to now, selely to transportation problong sycrems, Unfortunately, as Senater Mend noted, certain news stories concession actual shortures of programition in the bands of our fiching men have carried the impleation that the lack at the freet was due to seem failure of production at home. These implications, be added, were not intended and "they are not

# courses, but no residual value is contemplated when Wer Department and AAF offensis hant

well founded "

from Capital Hall they have read They threak has sense. What he means by home or two or many certainty what the picture actually will be when



# "COMING EVENTS CAST THEIR SHADOWS . . . "

Over busy cross . . . industrial scenes . . rolland farm country . . . wild, wooded recessors sights . . as helicoppers take their place in helicopoer advances an denies and in nerformwace are not available to the public . . Government sponsorship, promises a practical, useful type of aucraft with special flytons Kellett's expenenced engageers and

production organisation look forward con-

Are there questions in your mind about what Overtions" Kellett Autusft Corporation. Dept. N. Upper Durby (Philadelphia), Pt.

AVIATION NEWS . James & 1945

# Plane Allocations Abroad Stress U. S. Aims in World Air Transport

Assignment of surplus aircraft to three European neutrals recalls that landing rights have been agained to American aircraft by Sweden and Spain and that Turkey has somed the Five Freedoms section of Chicago agreement

By WILLIAM G. KEY

Sweden, Spain and Turker-

\$27 Cults Type Planes Allacated nome Beire d'Exploriation de in

Allocations to the Swedish

AVIATION NEWS + Joseph A 1665

by the Divited Nations. The line n reverally known as Sabena

Finland, Denmark and, also, to internally, to Spanish Merocco. sary files an cast-west route ates within that country, with



1430 Army and Navy Surplus Planes Sold had been sald to the end of the

vest, in addition to the 5,460 De-Bulk of sales remain in lightplupe class Sales average 200 a law of \$4 to \$56 in recent weeks b Glider Sales Do-Gliders, chief-

Latest Allocations

Cheeses and Southern, Conta-nental Delta Northern, TWA.

retions Assument Board, when surplus planes were not

14 Conceptes surplus
The planes will be affected.

The plane is no larger in

Banks Adopt Uniform Plane Financine Plan Principal Institutions in eleven

Masar hanks of eleven West

Their offering of unitarm inter-

the plan offers the financing facilin pepulation of close to 13,900,000 h Harfern Plan Admired The

one third, \$500, insurance, \$175;

509.15, balance due, \$1,242.15, ment of \$169.65 and 11 install-Canadian Firms May

Reconvert Planes Victors plant especial to have PRY-5A Catalina contract in

March

costs were higher then suring

had Douglas-type plane experi-

1044 Record Vear

ale. Among the critical types

tractors, at the same time, are natrol bornbers, C-46 cam-

ments will not be retroactive.

Industry Heads Study Field, ATSC pubbe relations of-"Survival" Problem

Posewar randisament period may decide life or demose of Looking beyond the secclerated

The groundate "survival" peub-

Findastry Societed - As of now the new routh Army-Navy resu-

of the loose sights. This appears, overshadawed by the current pro-The third problem—surplus daycoptract terraration at present in mustakes made in the previous post-war period. Then, surplus air-

> Study Labor Problem In W. Coast Plants

AVIATION CALENDAR Jan. 16. Enturnal Alread's Standards Com-maior, ACCA, Exceptive Stand Standard Religious Enciprishers Sond, Belly

Jan. 5-13-0-15. Was Engineering-Agreed Manager Rock-Coulden Total, Delays. Date, 15-17-Northead Accords Standards Com-mission ACCA Elevate Covert Protein Medical Standard South Chicago El Meeting, Blarrier Stead, Chicago M. Jam. 16-Drobnicanal Assembli Standards Con-mitties, Studies of Astematics Engineer, Bulledgies marrieg, Sarvers Meist, Chi-metic. Am. 15-pi-Engine Technical Granultus meet-less Enter Louissien, New York.

ing antil Lealington, New York.

Date, 19-55-Stevilston Known Stevilston Committee, AGOA, Sanday of Automotive Engames Check Stevils thereing, Oberts
Brig, Chicago, E. Brod, Cidour, El-Jun 2028-Jameiran Metacological Society common marking Econor Cley, No. No., Colo.

Jen., 10-Pols, 1-Clair Assurat Monting, Stati-box of Assurational Science, New York.

Fds 2-5 der Carrier Fordermonn Schicks meller AEC und ATA, Melel Leningen, New York Per Tork

Feb. 14:-AUCCAL-CAP Alv Corder Frobremann medical, Station Street, West-April ad-Satural Assessmental Meeting Schools of Astronomy Engineers, Estal New Yorks New York (193).

- Delleckapless Technical Counciles ACCA, New Orleans. Apr. 12-04-Distance Aprenditions Employment Company, ACCA, New Street, Ney 20-21 - American Alexent EspenCourt plants are the "worst" model which has been demon- > WPErs approach to civilian strstrated to the Army and Newy, fectores. As early to 1906, Senton

> War Needs Cloud Civilian Production

account for the relatory will ab-

# WEST COAST REPORT

## New Tandem 'Copter Developed on Coast Prococype under construction by be ready for flight tests by July.

pleted and the company now is

FTwe-Passenger Model - The

totore in helicepter flights Rotor-Preigningary tests of small rotor considerably below the undustry's

Mimodicity Featured-Structure arreducty is a bosic obscrive of

their amounty. The Retor-Craft

Plans for shift to extensucere of pon-military planes envised but books continue for civilian out- craft schedules during the latter half of 1944 caused a declare in

# Stratocruiser Dash

feeling in Washington among pro-

# ATC Group to Meet

York City Jun: 16-17 to elect a

# Transport Plane Surplus Problem May be Easier Than Expected

New peners from Europe and revised estimate of needs of services in Pacific indicate extremely high orilleston and atreirion rate, with prosperts that post-war period will necesscate continued use of equipment in areas to replace damaged and inadequate rail, truck and bus facilities.

Immunort plane surelus will be 1,000 operations in one day celo Despite all corphras placed on the explasts of the truck rapply

service, the oil populines and the factor in the supply picture in be depended upon for several Shortage in Europa—While there

try to secules. That is why it has been possible to surrender C-55's

Whatever tasks may be accomed for heavy traffic and m any event sadly wrecked by bombing

Military demands at the me-

beyond economical range and in Pipercal on Air Transport-It is

countries While it connot be railflary effort. Once the military

Surplus Problem

a filting operating practices

Other manier problems are

Emanuel Chairman Of Aviation Corp.

Profile Outlook-Prospects of a

needed in inter-taken service through the Central and South

D. D. Crystal Dies ton of precuronia last week. A

Inwood with DPC

enintant for TWA at Karnas City.

volve work on all DPC aviation

AVIATION NEWS . Javany 8, 1985

## THE AIR WAR

# Tactical Air Power Plays Vital

Role Against Nazi Spearheads Continuous all-out assault which knocked out bendreds of tenio and thousands of armored vehicles, blasted communications and supply lines, discloses what modern flexibility of air power can accomplish, commentator says.

Roy San nucl Ednborn

vehicles in firing over 16,000 porwas the smallest our force based largest in the world Hitherto, are power's propagal role had been

While this was roing on, thoupossible, the Luftwaffe, and to maternal meladine oil and eva- term are only a few number wall

C.F. Hodges

Thunderbolts fly up to 2000 per day of the most differed types of teet these landing strips from ateverburdening army estillers

renders. Horses and Javoders, is raents then those usually tackled

Technique of Ast-Ground Cropcretice-The \$54 word is Coopera-Vandenberg's 9th A/T bendquar-

to an atterest to colore the 1990 their fuel in April, the emphasis from Locat, Gen Graz N. Brad-ALLIED TACTICAL AIR POWER ON THE WESTERN PRONT

Air Chef Marshet

into the picture a Tucked All

cooperation (see chart) By procred tape is slished with breathtaking unesecom. Through this close association the two staffs problems, and the function of Destrolled Control and Flexihttp://Although each Taction! Alt

striking force, 9th Bernber Com-

er and reconnaisounce aviation asmain effort of the ground forces,

Army-9th TAC team hat to those in fighter-bombers

(port of USSTAF) and BAF Bumb-

High Altitude Mask: Use of new tude Dirhtu

order to prevent supplies and tofreet. Mere then most people

think, were are wen by good or-

New Mask Permits Flight at 50,000 ft. Development of high altitude apparatus arresponded by ATSC's

feet with actentific protection

The meaks and comfortably on of water pressure. The pressure duction has jumped from 1,849 m

\$60 feet, eliminating leakupe Pressure -- On continued high alto eight inshes of pressure may be individuals. Above that pressure rame cises. Lieut Col A. F. Gazze, hip-physics specialist at Wright Field, recommends that

to shout 40,000 feet. The new sys-

Occurs flows from low pressure evinders through a regulator, a the regulator dial. Exhalation of-

Set at "germal," the regulates

Contributions to the research Products Mine Safety Applicance Co. Aero Equipment Corp.,

ASSY associated laborators Navy Plane Output

Navy Forrestal reveals Tectical transport 1.760, and miscellarseous types 669, far a grand total of 30.-

in 1963. Trainers are down from

Nate: The First Technal Air Force Premium et Joseph Agrico Kalph Royce has fearwag up an aimiter feation with Light Coneral Fatch Sesseth Army

# PRIVATE FIYING

# Tenn. Pioneering in Air Education Made Possible by 7c Plane Gas Tax

Levy used exclusively for support of airports and promotion of aviation; state now has 50 fields compared with 19 in 1938 and expects 50 more as result of national port program submitted to Congress.

b High School Program -- Appropria

Bureno Gets Other Half-The

started in 1942 at Knownille, in who fly and maptre those who

>Started in 1935-Since 1938 port turf, installed water and

WITER-AMERICAN ASSETTON 338 8 LEGENO 222 383

Geisse Now Private Flying Aids

In line with mereaging empla-

ones, will offset they oddstrough are now Army end Navy pilots. Other propets included distribratoon of special sur age globes to the schools of the states, remains

3 Air Strips Urged Furum at Nautorille in 1941, st-For Chicago Service Cay's Arro Commission proposes

cost about \$10 million each, in held in 1963, in connection with addition to improvement at mu-Plans for construction of three

mately \$10,000,000 apiece, to serve FGlider Program Abandance-Change in addition to the pro-

Figure Oar-Rerway Fields estimated oust of \$25,090 cach for

Bobert H. Hinckley, m. 1943,

struction of ever-long runways maintainent that the \$400-foo runways now provided at twin While instrument approach in

arreset on the lakefront at a cost

Mail Pickup Inventor Sows Seeds by Plane Develops system of decepting

bird- and rodesc-resistant pellets for planting of sub-marginal

spirel pettern. The inventor entimates that a plane floring at 120

terming more than 14,000 poper, in

bottle-cupper. He is now 63. 11 sdapted by the Army for human and glider pockups. For the last three years, Dr Adams has been

## New Survey Made Of Pa. Airports

Seare commission so fite data on all fields uskiest to improvement or extension under peoposed

On completion of a topographities indially. The commission en-



## NEW BENDIX 'COPTER:

Vertical fix running two-thirds the similar in many other respects to production model of Bendur Heliempuch opare time to develop his copier, Jan, New York, the new readel unil carry four persons, cruse at 120 with and climb at

openent may follow as community

seeks to stamulate local sastastive and interest to the establishment erators were in sound frameral of an airport, through public or Thirty-two receiv established apparts have been beened as Propovivania in 1944 heades 24

# Auburn Ind Becomes Plane Auction Center

Pear! Harber

and Musicoppe, Okla.: Pine Bluff can be made surworthy with rela- percent communion on all sales in

Contract Schools Map Post-War Plans ATS survey shows many of the 26 in Central Piving Techning Command will once feeder operstices, their sirpon service, overhead, chiesee, crop dusting,

the Control Flying Trauming Command include feeder airline opera-ATS survey indicated the on

condition nemerally despite conwith a bucklor of valuable experience from their lurse scale 15 Continue Codet Training-Only

Henry Sos. Inc., Uvalde, Tex., Tex ; and Wilson and Bontis Flying School, Chicagha, Ohle, all Bonhum, Tex , Puzzle Air School nt Aubern screet At a Dec 19 suction, six planes were sold, and ing Schools, at Colemand and Flying Service, Cuepo, Tex : Spar-



# Briefing

For Private Flores and Non-On the beam of experience on the last four years. The Baker

cently spent fear days flying helicopter type may consists become feamble for bus, air tax and air mul service, the report recombeaver. The ground covered was projected for completion by 1960

timates contain 2,540 to 2,000 costs were \$200, against much

Black to Procetime—Summandtime farms From July 1, 1943, to tioned the disposal of 5,400 sur-

ting with an average of cight

Penca City. Okia.: Okiahoma Arr. bedders to a plane, and a backing of both men, in furthering personal

tem of 35 surports in the St. Louis of council manager, most of his Airport Commission by Herner private fivers to travel less then has temporarily assumed the post reach a field. Four negatile sites pointment of a new manager for

design and the extent to which a surpark at Milton. Mo. has been

Geuting New Head Of ACCA's PAC

Appointed spring manager, re-placing John E. P. Morgan, who with assumment of John E P Arro Chamber

ureal Average Council to asvent by 300, a small combination ad-Processable of and when Mrs., sends and auto nacking facilities. gan returns to the management of space for exhibits by awanton the council, its functions will be product manufacturers, a guall

tee in Washington Jan 16. Wilhum Mare, of Bendux Aviation sponsibility for the Chamber's ident of the Chienber, and wave-

Eldon, Mo., Airpark Receives Support

Personal Aircraft Council of

model not only for the state of

Either Grams to Conservée on

NAA Manager Lowell Sweeners, will include two terf leading Own, and as chairman of the Per- stress, 2.350 by 300 feet and \$,000 "Cut"-It's a partect approach to the earner deck, so the oppolism weres his paddler, telling the pilot to "out throttle" on the engine. Now, the landing over most complete the smooth leed yer - s ich which Agrols efficiently perform Landing on a rolling flat-top typifies the typob tesks Agents are handling today .... foregetts THE CLEVELAND PNEUMATIC TOOL CO Speed Jonel Printey! Bay MORE Was Bonds and Stones.



# Mustangs on the Warpath

The forward element in pectrar off, The other

been. Harring with everything from begooks: to 500 round depth charges and 1,000 pound.



# North American Aviation Sets the Pace

PLANES THAT MAKE HEADURES ... the P-SI Meeting fighter (6-36 fighter-lander) RAN and PRI NASAGI books; ATG and XV/ Trans conduct trainer.

AUTATION NEWS a Jones & 1986

## PRODUCTION

# Plane Production to Top

Last year's dollar volume of approximately \$19,400,000,000

increased sharply. By SCOTT HERSHEY

## The arresaft manufacturing me he exercised that despite con-

With a tentative schedule for 1943 of approximately 75,000 surplanes.

> 1945 Outleek-Industry exerutives see in 1945, however, inframe poundance output will be The part year was marked by

plane delivered case from 8,000 earlier period when account una-

surrensed manpower utilization

late in 1963, employment her

AVIATION NEWS . Jacoby 5, 1961

All-Time Record Set in 1944

maintains aircraft manufacturing in U.S. in position as largest industry in world; plane, equipment and employee utilization

the SEC renorted a net rends after with a dollar volume of approari- recome taxes of only 1.5 per cent in 1963 Interim reports by tadi-

the flexibility of the industry.

ments with new shapes for wrigh.



States accordi industry, comser, shows that, since 1939 States as of last May - many four to one sheed of Germany's, according to the Since then, of course, Germany has lost many of her tries and many have been before the Borne Bolico

250 000 Since '41 Unit production of sirereft in the United States tops a with approximately 231,000

The Charcher buts around



### B-29 WING TESTED TO DESTRUCTION. This is taket happened to the uring of a Boeing B-29 Superfortress after at had been subjected to 550,000 pounds pressure in the Boerns states

test ishorators. Other ports of the plane were given the same reagh Flow Proft Level-It should not esteatament

pace with the sixframe producers. In making the amountement, vision and Don Berlin, formerly with engines of increased horse. Alfred Marchey, president, said been made with these power

The post-war outlook is one in

# P-47 Order Placed

A substantial order for long Arthur Nort, until recently vice received by Royablic Aviation

reduced about 40 per cent during date, Long Island, and Svansville. New Packard Englist-About \$4-Ind., to more than \$600,002,000, \$600,000 is being invested by Pick-Because of demand for Thursder- and in its program, which is indusynthesis on two 19-hour shifts

> Plane Engine Firms Eve Allison, Packard

with formidable post-war com-Old-line applane engine wagns-

enter the manufacturing field Willow Run Army Air Base, near | Allisons on B-19-Significantly. sections with executives formerly built in this country-now is powassociated with Curties-Wright ered with Allison engines for test

General Notors officials let it sho

Alisson soil seeml between \$5-



Three Manh-Kelmmone hold Shamks B-6 help- the Sibresky Division of Hestel Assertit Corp. 16copters try out their rotors at the Michigan plant specting the Nash-bush reaching With him are George AVIATION NEWS . January 5, 1945

SIKORSKY INSPECTS NASH-KELVINATOR BUILT COPTERS:



AND FULL-SWIVE TAIL WHERE ASSEMBLY

Scott presents MEW PRODUCT DESIGNS

for Your Post-War Personal Aircroft Son Modd 1 245 Assent Smaller and Fell



Stake Valve

FOR HYDRAULIC

BRAKES

The new Story Model 5 26 Tail Women passes the seal the second being a but with Wassel land

3 The Sore Picking Stelle Voles for locker for

A boundings Unit Manual Lytanian and princing and to bounding and by deather grahesing both week. militaria es bondin and nymano y ramp lock with militaria expany loc datas surprise shape that the new and polaridae i wheel has be avented. Light company

6 The Sees Development have your and are delicated for



STEERABLE TAR

Direct-Reading

GASOLINE GAUGES

MASTER CYLINDERS

and

RUDDER-BRAKE PEDAL ASSEMBLIES

WHEEL ASSEMBLY

C. E. Wilson, General Meters ment section from Patter Body De-

h May Build X-256ault also may

working on jet power units, and alase which has since been

# Tire, Brake Tester

tester, called a Dynamometer, is device designed and built on spe- negotiation for 1943, which 150-ton wheel, colled an mertia estin wheel with terrific force Procedure-Outside the cared share chamber in which the tests are

conducted, a large amount of elec- Cam Engine Firm recented is a 460 hp direct cura speed of 506 revolutions per An airplane broking wheel cash- Aircraft engineers have done

soned with a three-quarter-ton counterable experimenting with blackbouses

are problems with the air-cooled. Inc. was noted a rared the 186-tee. The firm is decising a 2009 or traveler of the nizeraft develop- are landing bapper surplanes at at 1500 rpm developing 1860 hp

## Beech Maps Increase In Common Shares

Stockholder authorization to be saked or angual meeting lag. 25. common stock of Beech Aircraft shares to 1,500,993 shares, par

According to the proxy statement, the addressal authorized Develops New Plane + Sales Up Stightly-Sales, after

> of \$16,579,561 for possible remyour fixed year, after renegotiawhich was eccavalent to \$5.45 a . Torbate from Rampey-Rear Ad-

# Plans W. Coast Plant

of cum engines as soon as reaavailable is proposed by The

Lieut Commander K L Berr has, upon request, been relieved

## Corsairs Assigned To Marine Carriers 525 major and 2500 minor changes made in plane harve

deck landing you possible Marine Corps air squadrops will Navy. The new Corpur recently emeeting changes and \$,500 major a new clear-vinen sliding cockret

Fourth Marine Air Wiret in the been 50 feet or less in diameter in comparison to the 200 feet or more of the normal give bumber

AVIATION NEWS . Justicy 5, 1665.

**PRESS** 





with it. 35 4000 is stranger and begroved in other in-



Scutte-ection, Flash-type Hage How Available. Harowith new fash-type door honge in rande of Spring-loaded, the kings controls the distance the Hartwell's new flash door latch answers the amblers of how to open inspection and access doors conclide and keep them lacked shot. Aircraft manufacturers are including this latch and the Hortwell flush hinze on newer model ships Airlines are modifying planes to make their use possible

As much as thirty minutes is saved in the inspection of a single plane by substituting Hartwell latches for other types of door fasteners

Simple in design the Hartwell latch is inexpensive to produce. It can be supplied unmounted or spotwelded to an installation place

> Single source for 229 different plansals production ports and tools

# HARTWELL

AVIATION SUPPLY COMPANY 2417 Constitute Boolevand, Los Angeles 16, Coliffordio Deller, Torre - Detrois, Mich - Konner Circ, Konner

# SEXTUPLE THREAT



## PERSONNEL

J. T. Thumpeen, stondards coordina-



Willard R. Yamadi, farmerly treascorneration concentrat Bears C. Gilpin (Gil) Ervis, who left the company in 1943 to you Remobile James E. Robertson on material

remainer of the Material devision of traffic manager and yers regarded Mrs. Placeage Kerr, director of war

division, traffic, promotion and pul-Livel, Comde W. H. Neff, in charge of the aviation section. New water-

moted to Communder, Wately

A. B. Walker, who until recently

was asserted to R. E. Beech in the News Office of United Alverti, Corp. W. R. Miller is the newly appearted that industrial engineer for Consolsdated Valtee Arrerett Com's

L. R. Beelware, former operators vice charges of the War Produc

dates of N. R. Burge, recently reoperations of G-E affixing com-Dr. Howard W. Bastow has been

non, Air, Public Relations Lorsienant Capebart was aviation meccalist for College marageme he-

on the staff of the National Ac-

nental and Western Aw, lac., and

Darting-Wright Corp. A relot for

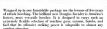
NAMED TO SALES POST traffic departments of National

B. Allice Giller has reserved as

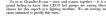
Callege in 1946, coming from the



Zelduando has assurted an establishexgred to Colombia to establish a traffic department for Assuring Na-Realacing him in Rio is Marko J



This sleek "war-shortener" is making its presence felt wherever the going is toughest - more power to it. To us at Chandler-Evans - men and women together - it is a



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placer Fritz N. Blatter, who is re-C. E. Statt, who for the past twentyfive years has been associated with

New York City Scott his been

Occur J. Gade, Jr., vice precident of

Ray Shaunes has been arrestited

Charles A. Arens has retired as Chorum and Calbana Nortes, for

Parieted state 18M for the west

Polger Albears (photo), operations special liaison work between the William Knight, on inspection meth-Cal Walter G. Burn has been ap-

ment of Col. Sevent L. Bostorr on Lieut, Col. Beary Payater, mount

references officer for the Air Servi-

connect service for a short time before yourng the AAF E. G. Erves, Jr., but countd Kellett merly. Eryan was manager of Re-Dean Swartest formarily of the Way Hareld F. Blackburn has been ap-

possing manager of TWA's Wash-Clifford Mutchley, who is being tiveaferred to the Ime's Kezaia City same July, 1942, when he took change as satisfant manager by G. Gelice

Siendale, Calif., operated by Maj-

John M. Leckhart (photo), former secretary-treasurer of TWA has Due R. Eldridge has been no-Eric M. Compable has been pro-

County, Paul Bichier, formerly vice president of Transportmental &

# TELLING THE WORLL

. Willies-Overland Motors, Inc., Tocates, 20 Rechedeller Plans, New possible the arthievement of the · A New booklet entried Some gire that flow at Madrid in 1933 types A limited number of copies of the bucklet are available for

with shoulded condex electrical conductor and



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delivered by Tractice Learnald spection leads. Introduced by Tasiles less than two years ago, bedry you'll find them on, among others, the Prof. & Whitney 2005, 1650, and E-2000 seeper Corner, Grunna Beller, Rapable P41 Thundestols, Northrop

regal, bed-not engineering that were less the

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appeties and before being shipped. Thus it is made absolutely Drefex Uninokh nestern could well to another such. coffices, and more of them are being used with anadige drivers. generators and pushpa strend besters. Totales engineers are restrible for commitment on any assertit figuration or other shielding rephiese. A letter will being you details

Tenress, Inc. + 500 Ferencescripts Avg., Navage, S. N. J. 😘 Tite/i/ex



## FINANCIAL

# Sales Feature Aviation Company Officials' Dealings in Own Stocks

Reports to SEC show bulk of trading by officers and directors of marrefacturing from was on selling side; airline strates

cunties and Exchange Commission in excess of \$1,360,000. Charles the holdress at the close of the

was argond \$14,500. Its holdings sold 2,280 shares of the company's chase of 160 shares of Bender porropon, having a current market value of \$9,300. Mr. Parchald's George A Staples, a director, role prices, have a value of \$975,430-

Transactions in avaition stocks deed and general manuscr of Solar siders" were confined mastly to of the company's remmon, inwith the bulk of the trading on shares. He also owns 300 shares Benerit made public by the Se- Ontman, an official of Solar, bourb! of common L D Bowman, saother efficial, said 400 shares of

Paper-J. E. Swan, director of \* Bell Arrends-Another mashie shares of Bell Ameraft Corp. com-

Henry B. DuPont, a director; pur-Another 26 100 common are held 500 shares of Bepublic Aviation Natur-Edward 7. Proc. ores - ment command. a sift of 180

closed by George B Past, a di-

chase of 1.500 common by Taomax market prices. Mr. Wolfe's purownership in Western Air at the

Seely V Hall, on afficial of Bendix Fund Cur

By Renegotiations

He added that officers of the proved and a refund of \$53,262,-

morning of 1944 associated to 8407, age for the receth was 414,250,431,

These pills help cure the high-octane headache













ansolage our be named into hydragen and carbon storm coses a change in gusoline are rearranged to form a but does not sexually eater definers land of malacule. you the new product,







new nettern. Our sciencists. formed by the confest, Sonsto finding the conjust that too deceasing It is now





## TRANSPORT

# CAB Asks Power to Restrict

# Airline Schedules, Equipment

Report to Senate Commerce Committee declares new and broadened philosophy of carrier certification is necessary if sound development of air transportation after war is not to strend to apply demotically

merce Committee, presenting the Accountation Act. Submitted a of the President. That exception MrCarran's invadation was slated too are favorable. Several us- from a small carrier, for exemple,

in a report to the Secute Com- mentic and fareign phases of avi-

Civil Aeronautus, Board has for mintenduction in the early normally of the swand develop- post-war international air trans- performing an authorized trans-

ation. The Board points out that option of no service or unlimited Scord's views on Senator Pat No- the views prescuted, with one ex- service. Thus, the Board mys, it Derran's bill to amend the Cryst reption, are not necessarily those in a case which reight warrant the 76th Congress, they were American Fing Line McCarran FCampetition-Addition of unre-

stricted service by a large transcendy receiving excellent service

clusions and some changes are surrented, however McCurran,

The Board recommends that



The Douglas A-26 Invaders are beloing to ers are building complete wing assemblies. including engine pacelles and flaps, for the deadly A-26: in addition to the production of Beechcrafts for our Armed Services and those greater War Production load than ever before, but are proud to make this worthwhile extra contribution to early Victory. € They ask the indulernce of prospective peacetime Beechcraft customers for their complete preoccupation with production for Victory. I To the thousands of Beechcrafters in the Armed Services, and to all other service men and women everywhere, they send prectings and repledge themselves to do everything and anything within their power to bring Victory at the earliest possible moment

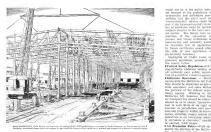
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CIVIL AERONAUTICS BOARD

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AVIATION NEWS . January 5, 1965 AVIATION NEWS . January 6, 1945



# Good Machinery Deserves Good Housing

.... SUILD WITH TIMESS STRUCTURES civilize vulgary and for the armed

Clear Floor Space

This policy starts with engineering

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word Compatible Arthority to extend the secondary about the recorded to the all below "arthority" as the control to the secondary as the control to national aviation policy, which,

> pany's general course) to the CAB eroment policy regreding available apply for the Caribbean routes if was seeking Various Interpretations - The move was variously interpreted. Some sources held that it repre-

United Fruit Blames U. S. Aviation Policy Request for permission to wish

draw noclicanon for sir rouses



# CARGO DOOR CLOSE-UP OF C-82 PACKET.

C-62 Picket demonstrates adoptobility of plane for handless builty corgo. The time large earge doors feld together to form the streamlined

AVIATION NEWS . James E. 1945

repted a realization on the part of equipment interchanges such as proceeding to fix rates of mail the company that suches carriers that worked out between TWA and had very little chance of surmagniture CAB's highly restrictive obtain new routes interpretation of those clauses in FUAL Against Interchange sir treesport. Others sow the coes- among interchance. The interinterested with a larger plan to UAL and Western Air Lines at obtain favorable lectulation in the ican case probably will have the effect of weakening the cases of other steamship applicants, there-

tive route to Eastern Air Long.

the TWA-C & S arrectment so the

TWA and C & S Ask

Interchange OK Trend toward equipment interchange-discernible in the think-Although the agreement be-

vide through plane service be-Under the joint agreement, signed by TWA's President Jack terest Chief objector posbebly S routes to Memphes, Shreveport,

Arlantic Schedule Resumed by PAA

C & S. rother than in efforts to

carner which has taken a stand

Navel Air Transport Service The pean areas for civilian passengers during the past twelve mostly.

New Buta Swight-As 1941 was the last year for which commer-

Schooles for the new commer-

Air Sickness Rise

Linked to War Ills

non should the interchange plan | Boot, Ventilation Watched -Air sickness incidence had been reduced to 1 per 1000 passengers The company's medical records 1944 through Octobery January

1.8. Petersary 2.6. March 3.2. April

# The Birdmen's Perch By Major Al Williams, AUAS, "TATTERED WING THE" Oalf Avieties Products Manager, Galf Sleig, Patchurgh 30, Pe.

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At the gast you're sending in Little Known Facts About Well Known Plants. there'll stoon be more Perch Polons than there are in the Secured We've some to

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"The \$45,000-th, neight of the E-19 rests on three pair to thick at the

Puch Pilots using styrbing other demoned, abor, kicked, subbed, and special set" Hussen, the Ods Book, "The \$127 is the first plane to have ion Blaccioca Bennich, Ramo Foot Of-lice, Rome, New York.

"Any sirrious sutter operates amountly when It's in proper adjust-ment—and left of that Good Golf. Adution Genelles". The Golflensk, on Major Al Williams.

"Ivo Scisson 'Eying Jeeps' sensily

const." A.C. William Robbl, & . Group

No B 24 yearsy scrape reaches los

towers in some parts of the Pacific!" Clifford Coade, Sr., 1975 East Condu

Galf Oil Corporation and Gulf Refision Communey...makers of AVIATION

PRODUCTS OIL IS AMMUNITION-USE IT WISELY

Aurost 8.2: September 5.6: Octo-Air sickness rates rose duran

# Donglas Designs New Bird-Impact Glass

While the Civil Aeronauties Ad-

Foreign Only

TCA Operations Up Sharply in '44

Within Canada, TCA opened

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# ATC Ticket Office Opened in New York Arren's for Transport Cores

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Exrend Pilot Ruling

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# CAB Orders "Big 4" to Show Cause Why Mail Pay Should Not Be Cut

U. S. reonous to reduce airmail compression of American. TWA United and Enserts from 60 cents a ton-mile to 32-cent basis; general investigation of our freight and express rates is beesen to include all demotic carriers and REA.

In a proposal to slash nearly in rates, the airlines might not too Present Rates-The present comtire on American, TWA, United count the effect on the curvers

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and United to show cause why express tea-miles and (F) much Buffalo Port Fee

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Air Express Committee of the Air

THIS SOLVES OUR PROBLEM ON POST-WAR PRECISION PARTS

WRITE for THIS **ADECO** GUIDE - BOOK



## Tell Congress About Aviation

A Presentation of a Non-Partissa Special Commitopportunity for aviation to seek any changes it feels are necessary in Capitol Hill lemalative proand has been remornible for the feeling that

This attitude is not complimentary to members business men, as well as law makers and rents-Congressman or a member of a Hill committee not be expected to pass fair legislation. The number who have any anowledge of aviation and its

This means calls on the Congression, without streamen's close friends or without resort to other indirect methods so often followed by those who do few days in advance. There is no need for hocus-

tion. It is boned that the action which Congress takes will be in keeping with assotore's future. The duplication and lack of coordination between House and Senate Military and Naval Affairs Committees in bandling military agistion matters is one of the first glaring madequacies

Lack of consistency in House and Senate orrengements for the handling of commercial aviation legislation will also be examined. In the roads and domestic surface curriers in the intermatters in the Murchant Marme and Figheries In the Senste, however, the avintion and merchant marrie fields come under turisdiction of the Commerce Committee, while another com-

with introduction of proper legislation the buttle moking known which reforms are deemed de-

# Surplus Planes for Research

planes be allocated for safety research tests

By this means, design and operational data might be uncovered which would settle controfor passengers and crows in flight or following a

deliberately grashed under controlled conditions naths which fires take inside the airplane, methods "Some say it is safer to make emerionary landup it probably varies with different types of right don't float very long after dischase Let's operations? How good are emergency exits? What is the sufest senting arrangement without sitting

government officials are considering such nossibilities was reported by Aveautte News several he destroyed as some The public must be educated to expect this destruction as a national defense necessity to assure constant, maximum develorgment of new warmlanes, and of new and large high speed authors which can be used as

> ROBERT M. WOOD AVIATION NEWS . James 8, 1940



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wrenched, twisted, turtured to make sure they'll stand the suff . . . muke sure they'll more than measure up to all requirements. These reasons explain why Bondix is the choice offending overaft manufactures. Bendix Landtoo Gray is engineered to meet your specific needs . . . "tailor-made" to fit your weight restrictions, space limitations, performance requirements . . . an outstanding example of the Creatise Engineering which has won Bendix leadership in so many assation fields "You're more when you specify Bendie."

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